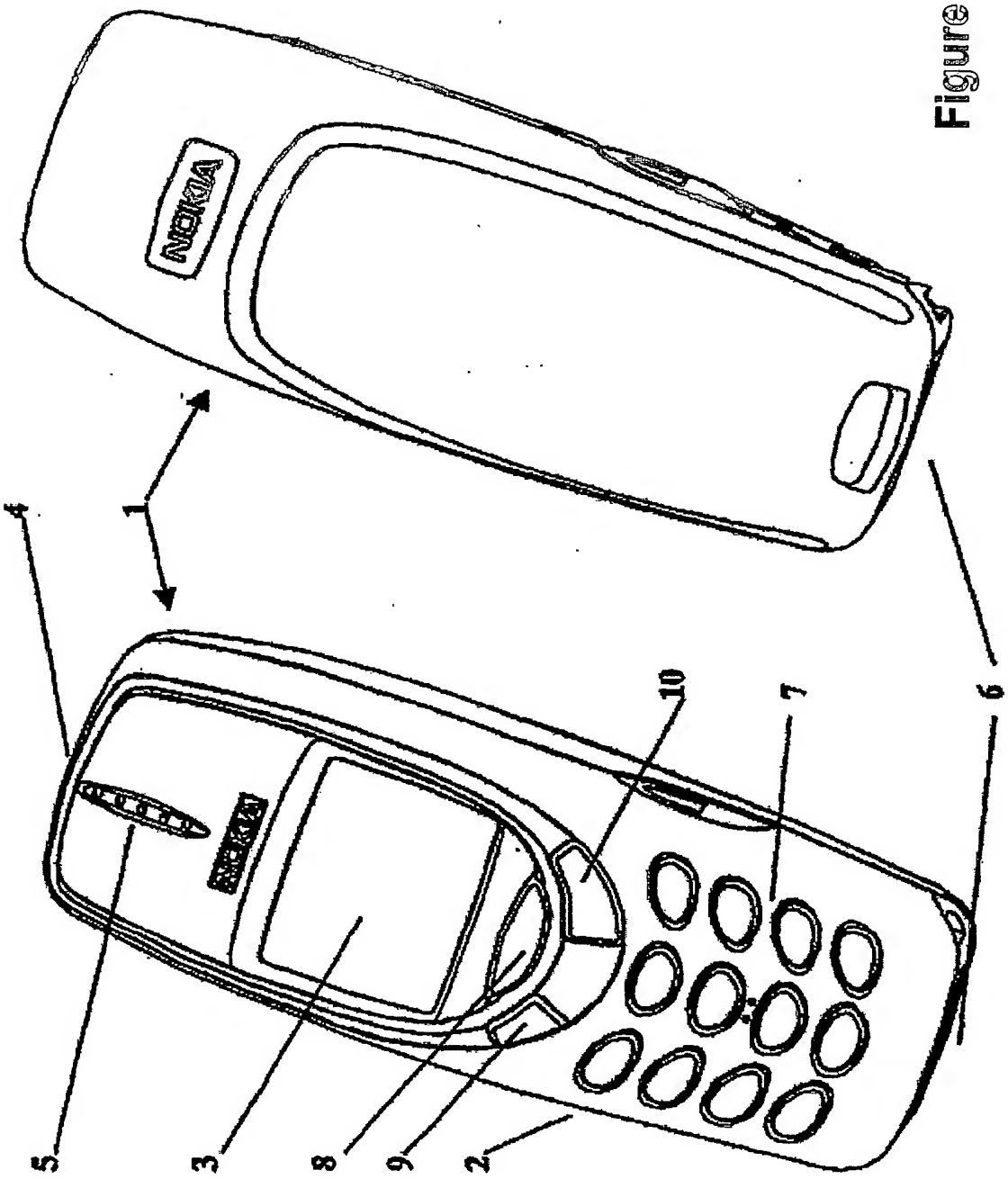

Figure 1

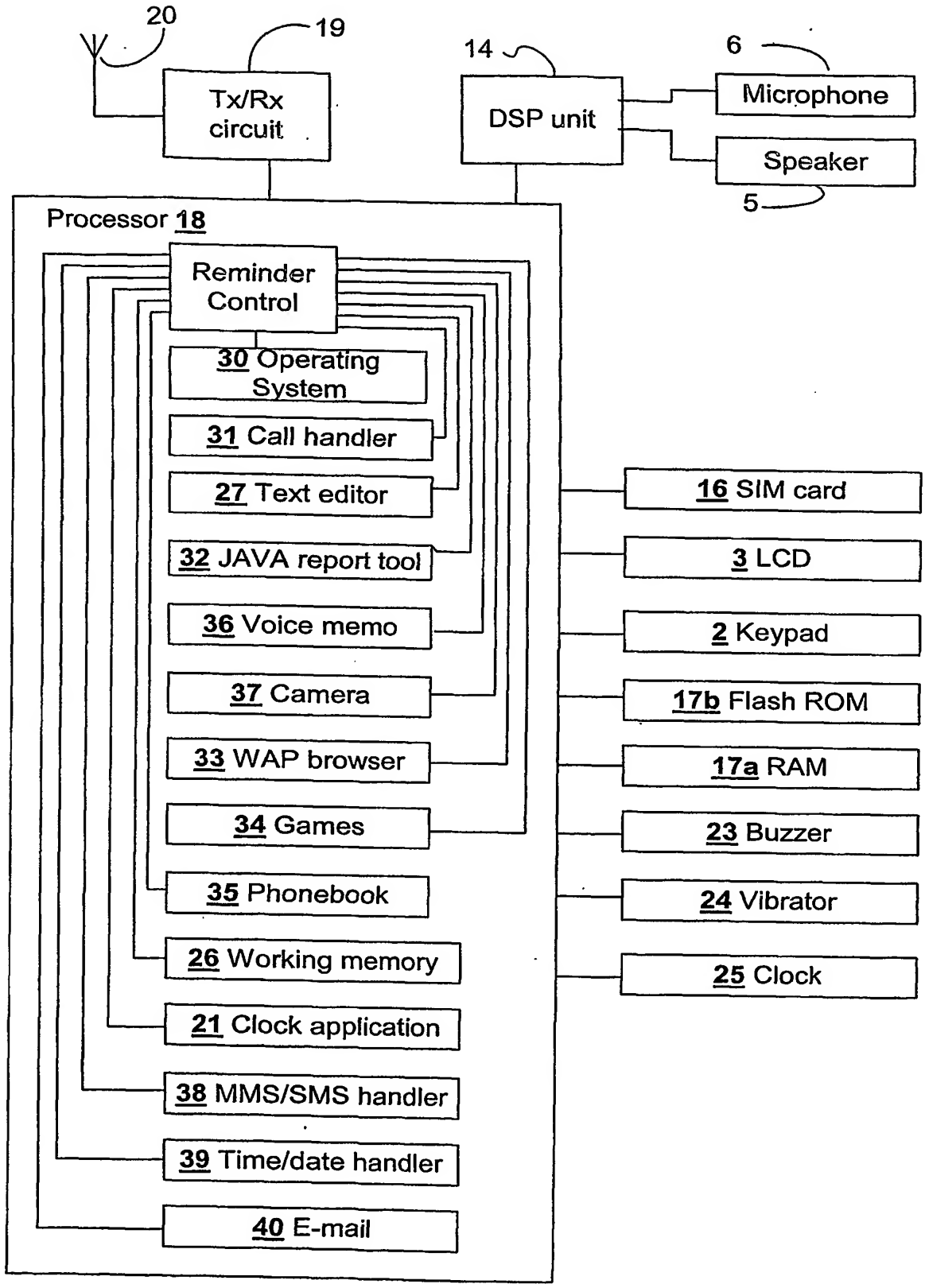
20
19
Tx/Rx circuit
14
DSP unit
6
Microphone
Speaker
5
Processor 18
Reminder Control
30 Operating System
31 Call handler
27 Text editor
32 JAVA report tool
36 Voice memo
37 Camera
33 WAP browser
34 Games
35 Phonebook
26 Working memory
21 Clock application
38 MMS/SMS handler
39 Time/date handler
40 E-mail
16 SIM card
3 LCD
2 Keypad
17b Flash ROM
17a RAM
23 Buzzer
24 Vibrator
25 Clock

Figure 2

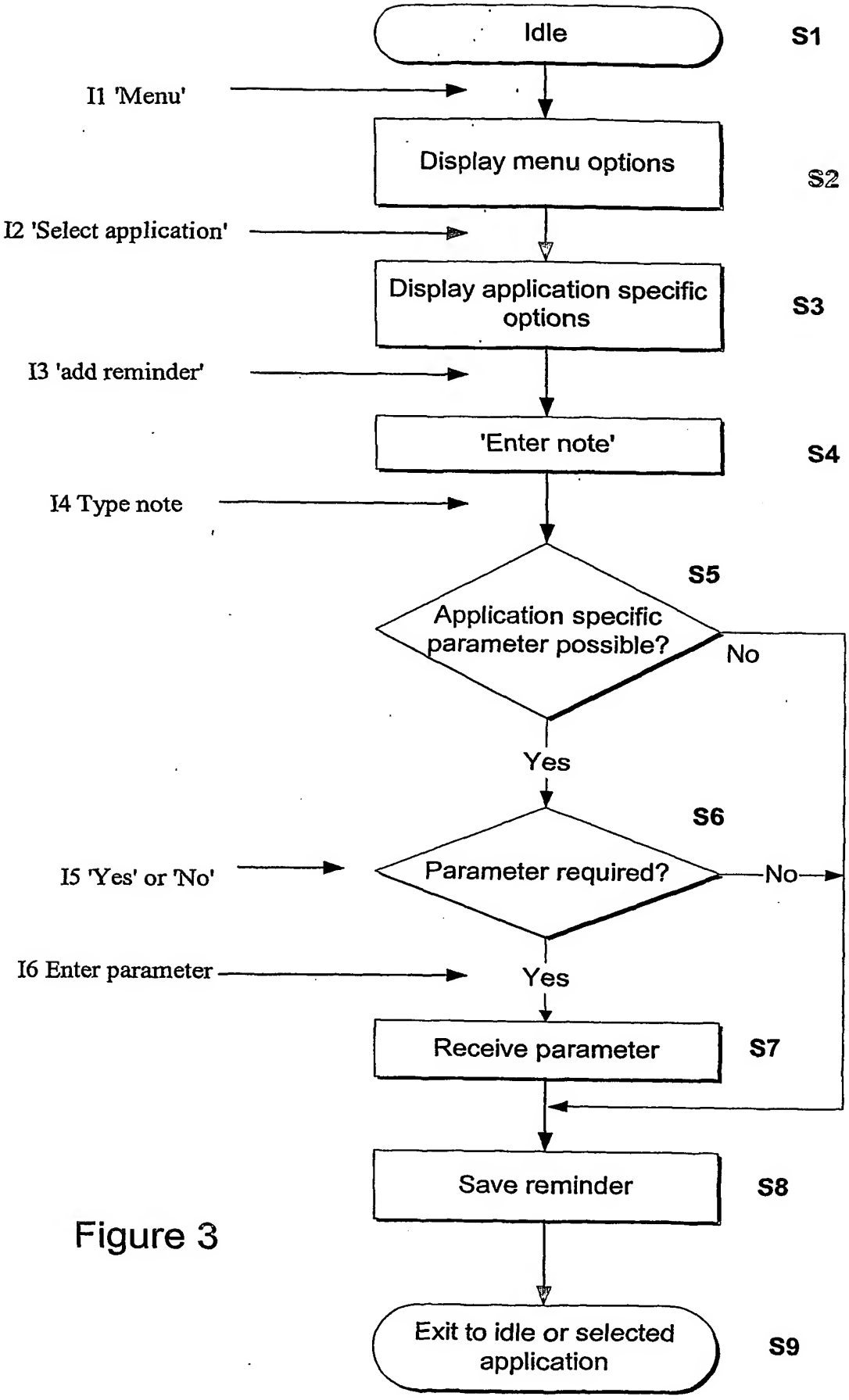
Idle
S1
I1 'Menu'
Display menu options
S2
I2 'Select application'
Display application specific options
S3
I3 'add reminder'
'Enter note'
S4
I4 Type note
S5
Application specific parameter possible?
No
Yes
S6
I5 'Yes' or 'No'
Parameter required?
No
I6 Enter parameter
Yes
Receive parameter
S7
Save reminder
S8
Exit to idle or selected application
S9

Figure 3

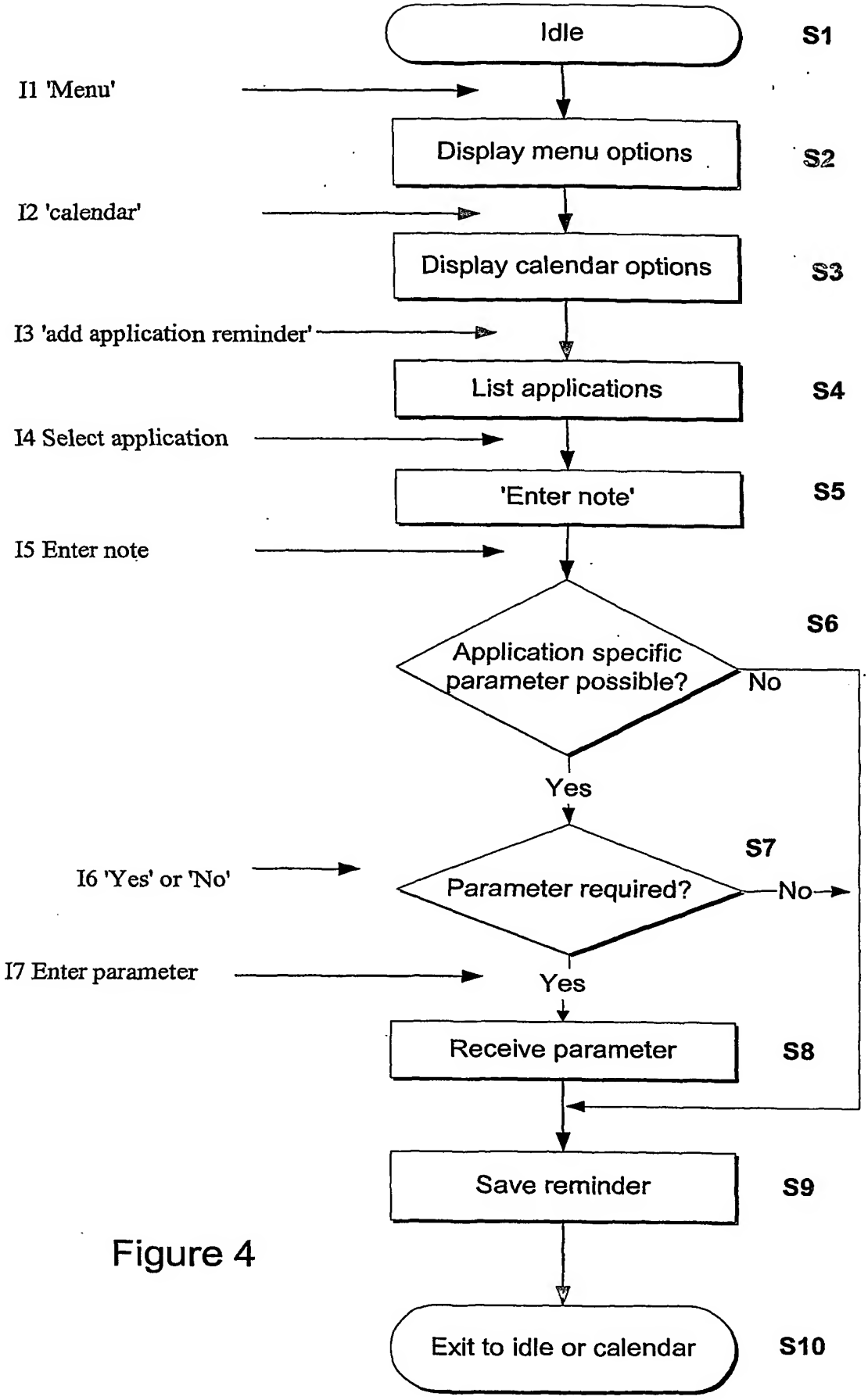
Idle
S1
I1 'Menu'
Display menu options
S2
I2 'calendar'
Display calendar options
S3
I3 'add application reminder'
List applications
S4
I4 Select application
'Enter note'
S5
I5 Enter note
S6
Application specific parameter possible?
No
Yes
S7
I6 'Yes' or 'No'
Parameter required?
No
I7 Enter parameter
Yes
Receive parameter
S8
Save reminder
S9
Exit to idle or calendar
S10

Figure 4

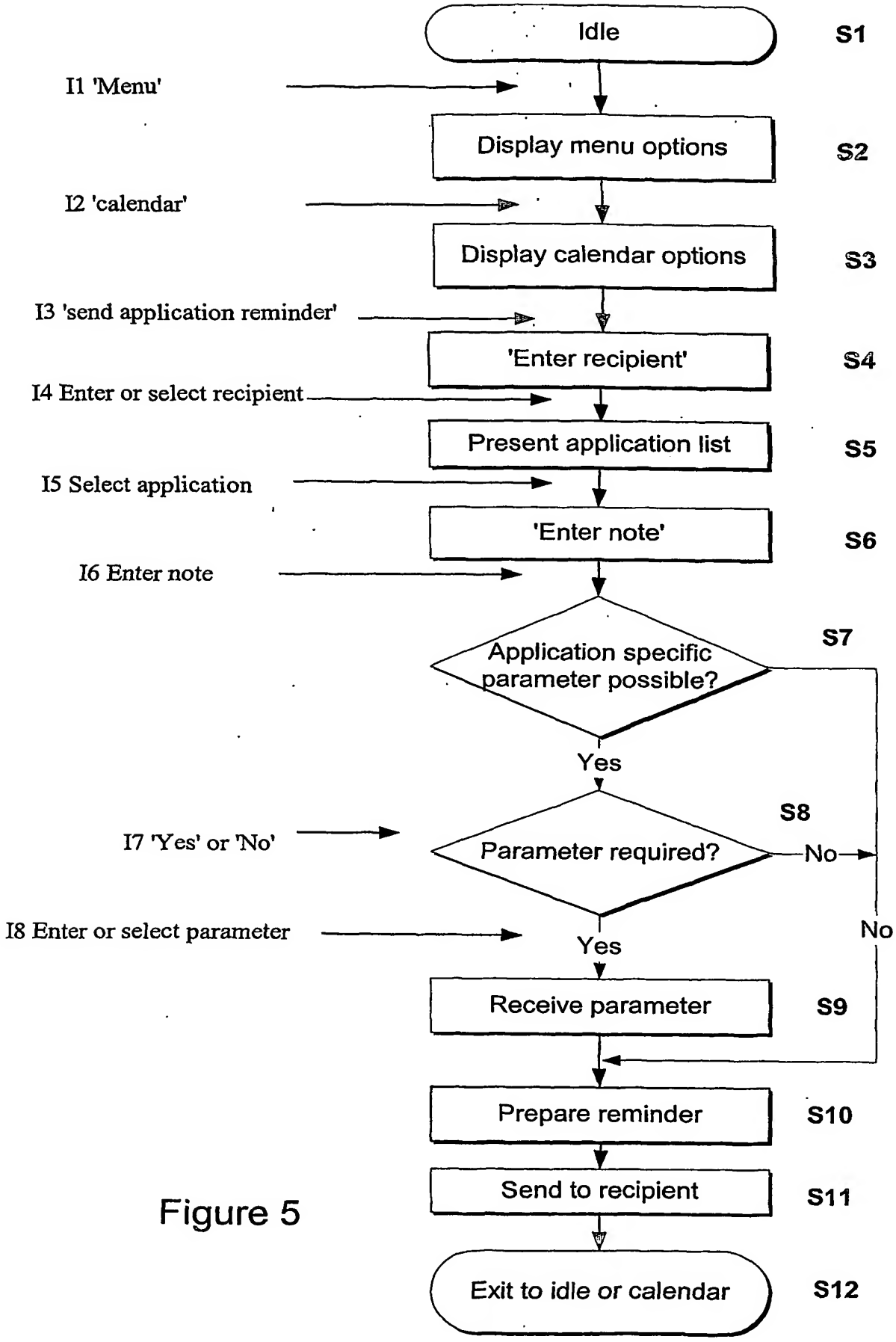
Idle
S1
I1 'Menu'
Display menu options
S2
I2 'calendar'
Display calendar options
S3
I3 'send application reminder'
'Enter recipient'
S4
I4 Enter or select recipient
Present application list
S5
I5 Select application
'Enter note'
S6
I6 Enter note
Application specific parameter possible?
S7
Yes
I7 'Yes' or 'No'
Parameter required?
S8
No
I8 Enter or select parameter
Yes
No
Receive parameter
S9
Prepare reminder
S10
Send to recipient
S11
Exit to idle or calendar
S12

Figure 5

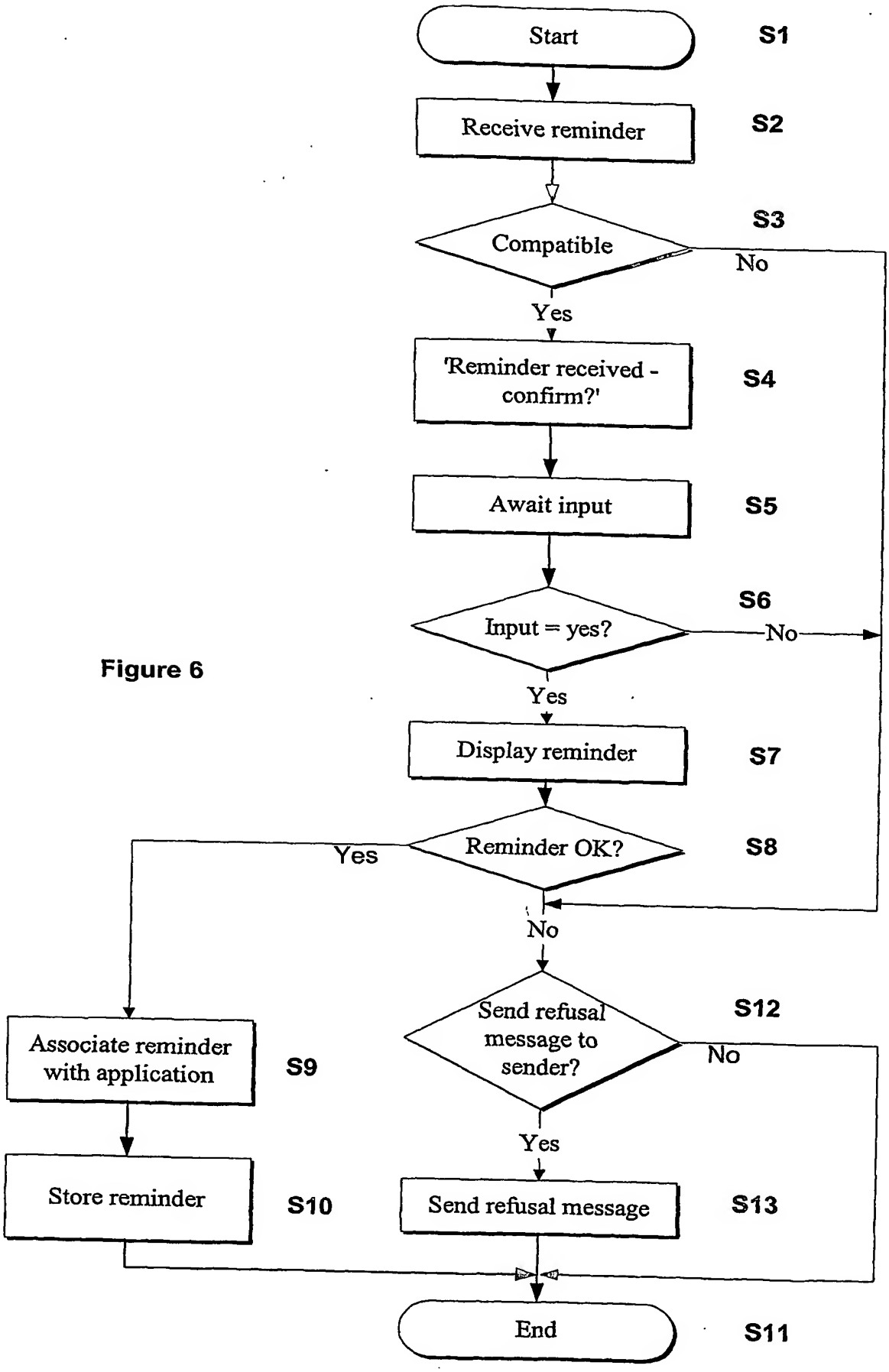
Start
S1
Receive reminder
S2
Compatible
S3
No
Yes
'Reminder received - confirm?'
S4
Await input
S5
Input = yes?
S6
No
Yes
Display reminder
S7
Reminder OK?
S8
Yes
No
Send refusal message to sender?
S12
No
Yes
Associate reminder with application
S9
Store reminder
S10
Send refusal message
S13
End
S11

Figure 6

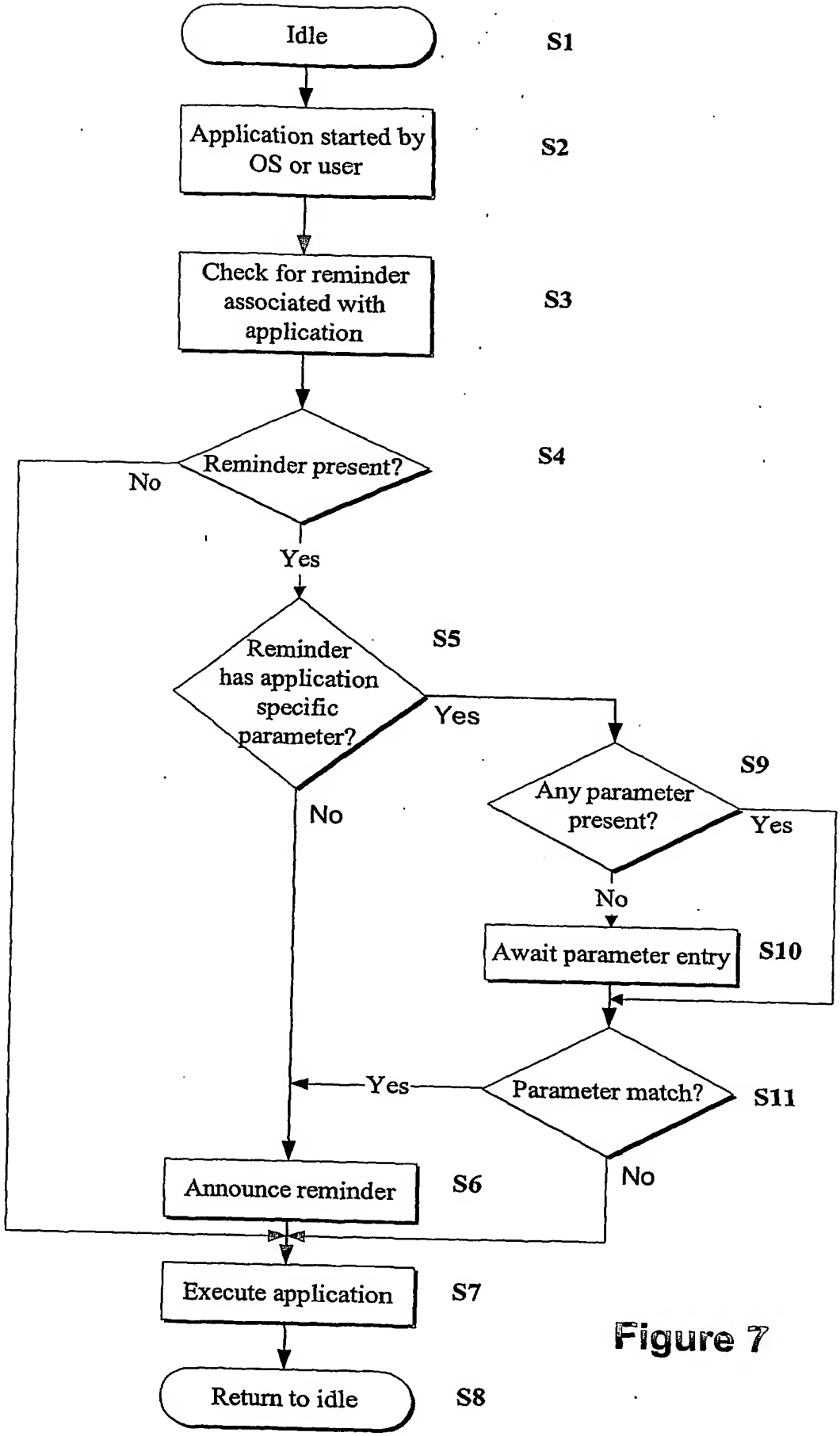
Idle
S1
Application started by OS or user
S2
Check for reminder associated with application
S3
Reminder present?
S4
No
Yes
Reminder has application specific parameter?
S5
Yes
No
Any parameter present?
S9
Yes
No
Await parameter entry
S10
Parameter match?
S11
Yes
No
Announce reminder
S6
Execute application
S7
Return to idle
S8

Figure 7